

Model Specifications for LTPP WIM Installations

NATMEC 2000



U.S. Department of Transportation
Federal Highway Administration



Long-Term Pavement Performance
Serving Your Need for Durable Pavements

A Solution for Data Quality

- ◆ Same equipment everywhere -
Bending Plate
 - + Durable
 - + Accuracy
 - + Limited temperature sensitivity



Site Selection

- ◆ Proximity to SPS project
- ◆ Evaluation of existing conditions
- ◆ Best practices for new locations

Functional Requirements

- ◆ Measure - axle weights and spacings
- ◆ Minimum of 15 vehicle classes
- ◆ Identify weight violations
- ◆ Store the data for later retrieval

Functional Requirements

- ◆ Reports to use in system diagnostics
- ◆ TMG Monitoring Guide file creation

Acceptance Test

- ◆ Continuous operation for 15 consecutive days
- ◆ Meets LTPP accuracy requirements

Installation

- ◆ 300 foot PCC slab
- ◆ Ground to meet LTPP smoothness specifications
 - + No spot grinding
 - + Grinder wheelbase minimum of 13 feet

More Information

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